Table S2.

|  |  |  |
| --- | --- | --- |
|  |  | ***Status I / Bucket-bridging*** / **agents** |
| **Line** | **Figure****Panel** | **Reference** | **Equation** | **Template** | **Phase** | **Impact [%]** |
|  |  | ***Shimmering-active neighbours***  ***[%]*** |  |  |  |  |
| 1 | 7 A3 |  |  |  | *pre-stroke* | 47.16 |
| 2 | 7 A3 |  |  |  | *post-stroke* | 41.01 |
|  |  | ***Deviation of***  ***from hypothetical distributions [%]:*** ***,***  |  |  |  |  |
| 3 | 10 C1-2 |  | 3a | *PEAK* | *pre-stroke* | 5.39a |
| 4 | 10 C1-2 |  | 3b | *SINK* | *pre-stroke* | 19.28a |
| 5 | 10 D1-2 |  | 3a | *PEAK* | *post-stroke* | 19.20b |
| 6 | 10 D1-2 |  | 3b | *SINK* | *post-stroke* | 4.57b |
|  |  |  **/ *Angular variance of***  ***[%]***  |  |  |  |  |
| 7 | 10 C1-2 | =  [0°] -  [180°] |  | *PEAK* | *pre-stroke* | 36.97 |
| 8 | 10 D1-2 | =  [180°] -  [0°] |  | *SINK* | *post-stroke* | 40.73 |
|  |  | ***Probability by which***  ***matched with the hypothetical distributions [%]:***  |  |  |  |  |
| 9 | 10 C1-2 |  |  | *PEAK* | *pre-stroke* | 94.61 |
| 10 | 10 D1-2 |  |  | *SINK* | *post-stroke* | 95.43 |
|  |  | ***Contribution in wave direction control [%]:***  |  |  |  |  |
| 11 | 10 C1-2 |  |  | *PEAK* | *pre-stroke* | 16.50 |
| 12 | 10 D1-2 |  |  | *SINK* | *post-stroke* | 15.94 |
|  |  |  |  |  |  |  |

Survey of the data associated to Figs. 7,10 concerning agents of the *bucket-bridging* (*Status I*) type; experimental nest B (see Methods); a,b, significant differences (P < 0.01, χ2 test) within groups. The *hypothetical distributions* are normalized denotations of *PEAK* and *SINK* distribution patterns (see Results).